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## ABSTRACT

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A SYSTEM FOR PROJECTING IMAGES ON INSCRIBED POLYHEDRONS HAVING POLARIZABLE FACES AND A PROJECTION PROCEDURE, the system consisting of two or more inscribed polyhedrons whose faces are of translucent glass 5 polarizable by electrical current that transforms them to transparent, with an apparatus image projector within the smaller polyhedron and a system of lenses or mirrors that directs the emitted image from the inside to all the polyhedron faces, the image being formed by retro projection onto the translucent faces and stops being projected onto them when they become transparent, being projected onto the next translucent 10 polyhedron and a image projection procedure from the inside onto the polarizable glass faces of a succession of polyhedrons contained within each other that operate as a screen when they are translucent and permit the image to be projected onto the next translucent polyhedron when they become transparent

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